
1/9/1 (Item 1 from file: 123)

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Status Changes:

REISSUE REQUESTED

Assignee:
MPR Services

Patent	Issue
Number	Date

Patent:
US 5788864

19980804

Reissue Requested:

Request	Request	Recorded	Exam.	Reissue
Number	Date	in OG	Group	Patent No.

09/632812 20000804 20000919 1761

CLAIMS(R)/Current Legal Status (Dialog# File 123): (c) 2001 IFI/CLAIMS. All rights reserved

1/9/2 (Item 1 from file: 345)

13189018

Basic Patent (No,Kind,Date): CA 2212578 AA 19960829

PATENT FAMILY:

AUSTRALIA (AU)

Patent (No,Kind,Date): AU 9649234 A1 19960911

AMINE HEAT STABLE SALT REMOVAL FROM TYPE II ANION EXCHANGE RESIN
(English)

Patent Assignee: MPR SERVICES INC

Author (Inventor): COBERLY STEVEN H; LAVEN THOMAS H; CUMMINGS ARTHUR L

Priority (No,Kind,Date): US 394293 A 19950224; WO 96US1955 W
19960215

Applic (No,Kind,Date): AU 9649234 A 19960215

IPC: * B01J-049/00; B01J-041.04

CA Abstract No: * 125(18)215779K

Derwent WPI Acc No: * C 96-402169

Language of Document: English

CANADA (CA)

Patent (No,Kind,Date): CA 2212578 AA 19960829

AMINE HEAT STABLE SALT REMOVAL FROM TYPE II ANION EXCHANGE RESIN
(English; French)

Patent Assignee: MPR SERVICES INC (US)

Derwent WPI Acc No: * C 96-402169
 Language of Document: English
 Patent (No,Kind,Date): EP 510904 B1 19960902
 AMINE HEAT STABLE SALT REMOVAL FROM TYPE II ANION EXCHANGE RESIN
 (English; French; German)
 Patent Assignee: MPR SERVICES INC (US)
 Author (Inventor): COBERLY STEVEN H (US); LAVEN THOMAS H (US);
 CUMMINGS ARTHUR L (US)
 Priority (No,Kind,Date): WO 95US1985 W 19960215; US 894293 A
 19950224
 Applic (No,Kind,Date): EP 4005490 A 19960215
 Designated States: (National) BR; DE; GR; IT; NL
 IPC: * B01C-049/00; B01C-041/04
 CA Abstract No: * 125(18)226779K
 Derwent WPI Acc No: * C 96-402169
 Language of Document: English

EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):

EP 510904	F	19960224	EP AA	PRIORITY (PATENT APPLICATION) PRIORITAET (PATENTANMELDUNG)
			US 894293 A	19960224
EP 510904	F	19960311	EP AA	PCT-APPLICATION PCT-ANMELDUNG
			WO 96/01415 W	19960311
EP 510904	F	19960211	EP AE	EP-APPLICATION EUROPAISCHE ANMELDUNG
			EP 9600490 A	19960211
EP 510904	F	19971210	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
				BE DE GB IT NL
EP 510904	F	19971210	EP AI	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROFFENTLICHUNG DER ANMELDUNG MIT RESEARCHENBERICHT)
EP 510904	F	19971210	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
				470401
EP 510904	F	19980121	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBERICHT)
				471006
EP 510904	F	19980901	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRT BENANNT VERTRAGSSTAATEN)
				BE DE GB IT NL
EP 510904	F	19980901	EP B1	PATENT SPECIFICATION PATENTSCHRIFT
EP 510904	F	19981015	EP REF	CORRESPONDS TO: ENTSPRICHT
			DE 69610194 F	19981015
EP 510904	F	19990415	EP 26N	NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5768664 A 19980304
 AMINE HEAT STABLE SALT REMOVAL FROM TYPE II ANION EXCHANGE RESIN
 (English)
 Patent Assignee: MPR SERVICES (US)
 Author (Inventor): COBERLY STEVEN H (US); LAVEN THOMAS H (US);
 CUMMINGS ARTHUR L (US)
 Priority (No,Kind,Date): US 730438 A 19961015; US 894293 B1
 19950224
 Applic (No,Kind,Date): US 730438 A 19961015
 National Class: * 210670000; 210680000; 210678000
 IPC: * C02F-001/42
 CA Abstract No: * 125(18)226779K

Derwent WPI App No: * C 96-402169
 Language of Document: English
 UNITED STATES OF AMERICA (US)

Legal Status (No, Type, Date, Code, Text):

US 788864 F 19960214 US AA PRIORITY
 US 788864 F 19960214 US AE APPLICATION DATA (PATENT)
 (APPL. DATA (PATENT))
 US 788864 A 19960115
 US 788864 F 19960104 US A PATENT
 US 788864 F 20000919 US SF REISSUE APPLICATION FILED
 REISSUE APPL. FILED
 2000-09-19

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT WO

Patent (No, Kind, Date): WO 96/01194 A1 19960115

AMINE HEAT STABLE SALT REMOVAL FROM TYPE II ANION EXCHANGE RESIN AMINE
 HEAT STABLE SALT REMOVAL FROM TYPE II ANION EXCHANGE RESIN (English)

Patent Assignee: MPF CHEMICAL INC. (US); COBERLY STEVEN H. (US); LAVEN
 THOMAS H. (US); CUMMINGS ARTHUR L. (US)

Author (Inventor): COBERLY STEVEN H. (US); LAVEN THOMAS H. (US);
 CUMMINGS ARTHUR L. (US)

Priority (No, Kind, Date): US 784193 A 19930124

Applic (No, Kind, Date): WO 96/01194 A 19960115

Designated States: (National) AL; AM; AT; AU; AZ; BB; BG; BR; BY;
 CA; CH; CN; CD; CE; DE; DK; EE; ES; FI; FR; GB; GR; HU;
 IS; JP; KE; KG; KP; KR; KZ; LK; LT; LU; LV; MD; MG; MK; MN;
 MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; TJ; TM; TR;
 TT; UA; UG; US; UZ; VN (Regional) KE; LS; MW; SD; SZ; UG; AT; BE;
 CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; SF; BG; CF;
 CG

Filing Details: WO 1996000 With international search report; Before
 expiration of time limit for amending the claims and to be
 republished in the event of the receipt of the amendments

IPC: * B01J-049:00; B01J-041:04

CA Abstract No: * 125(15)119(79K); 125(18)119(79K)

Derwent WPI App No: * C 96-402169; C 96-402169

Language of Document: English

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT WO

Legal Status (No, Type, Date, Code, Text):

WO 9626007 P 19960114 WO AA PRIORITY (PATENT)
 WO 9626007 P 19960114 WO AE APPLICATION DATA (APPL.
 DATA)
 WO 9626007 A 19960115
 WO 9626007 P 19960114 WO AK DESIGNATED STATES CITED IN A
 PUBLISHED APPLICATION WITH SEARCH REPORT
 DESIGNATED STATES CITED IN A PUBLISHED APPL.
 WITH SEARCH REPORT
 AL AM AT AU AZ BB BG BR BY CA CH CN CZ CE
 DE DK EE ES FI FR GB GR HU IS JP KE
 KG KP KR KZ LK LS LT LU LV MD MG MK MN MW
 MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM
 TT UA UG US UZ VN
 WO 9626007 P 19960114 WO AL DESIGNATED COUNTRIES FOR
 REGIONAL PATENTS CITED IN A PUBLISHED
 APPLICATION WITH SEARCH REPORT (DESIGNATED
 COUNTRIES FOR REGIONAL PATENTS CITED IN A
 PUBLISHED APPL. WITH SEARCH REPORT
 BF BS BW SD ST UG AT BE CH DE DK ES FR GB GR
 IE IT LU MC NL PT SE SF BG CF CG
 WO 9626007 P 19960114 WO A1 PUBLICATION OF THE
 INTERNATIONAL APPLICATION WITH THE
 INTERNATIONAL SEARCH REPORT (PUB. OF THE
 INTERNATIONAL APPL. WITH THE INTERNATIONAL
 SEARCH REPORT)

WO 9626007	P	19961031	WO DFPE	REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 18TH MONTH FROM PRIORITY DATE
WO 9626007	P	19961127	WO 121	EP: PCT APP. ART. 158 (1) (EP: PCT ANM. ART. 158 (1))
WO 9626007	P	19970807	WO ENF	ENTRY INTO THE NATIONAL PHASE IN: CA 2212578 AA
WO 9626007	P	19980102	DE 8642/R&G	WITHDRAWAL ZURUECKNAHME

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1/9/3 (Item 1 from file: 670)

00047521

LitAlert Number: P1999-30-60

Record (Document) Type: Patent (Utility)

Patent Title: Amine heat stable salt removal fro type II anion exchange resin

Patent Number (Date): US 5788864 (19980804)

Patent Assignee: MPR Services, Charlotte NC

Inventor: Coberly Steven H, Ft Bend County TX; Laven Thomas H, Galveston Coun

US Class Titles (Codes): Liquid purification - separation (210670000)

Court - Docket Number: Texas, Southern Dist. - H-99-1565

Plaintiff: MPR Services

Defendant: Eco-Tec Limited

Filing Date: 19990521

Action Taken: A complaint was filed.

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